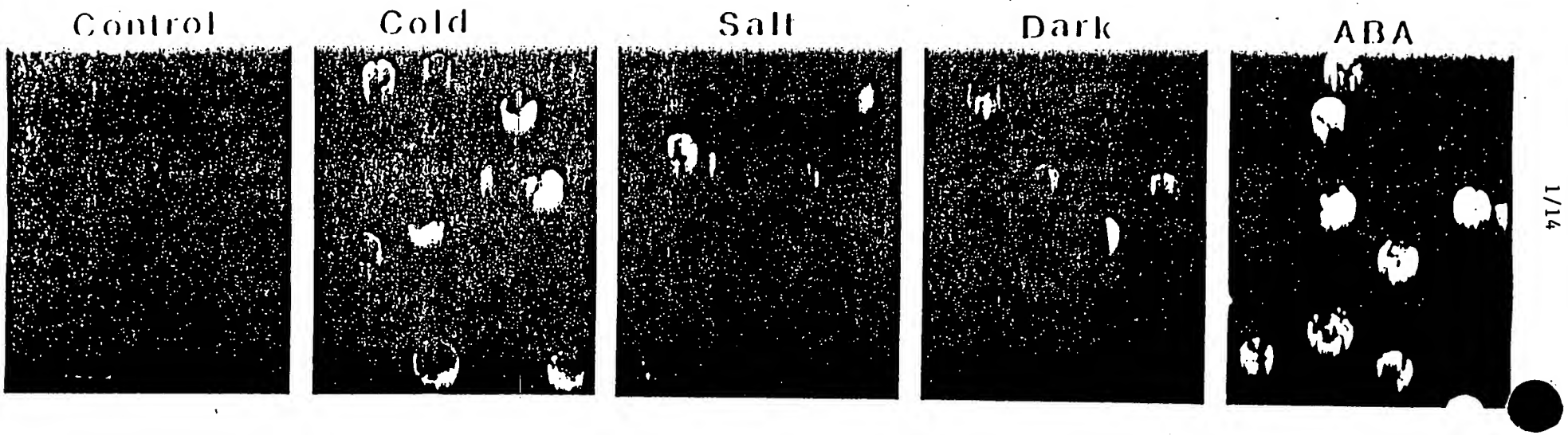


FIG. 1

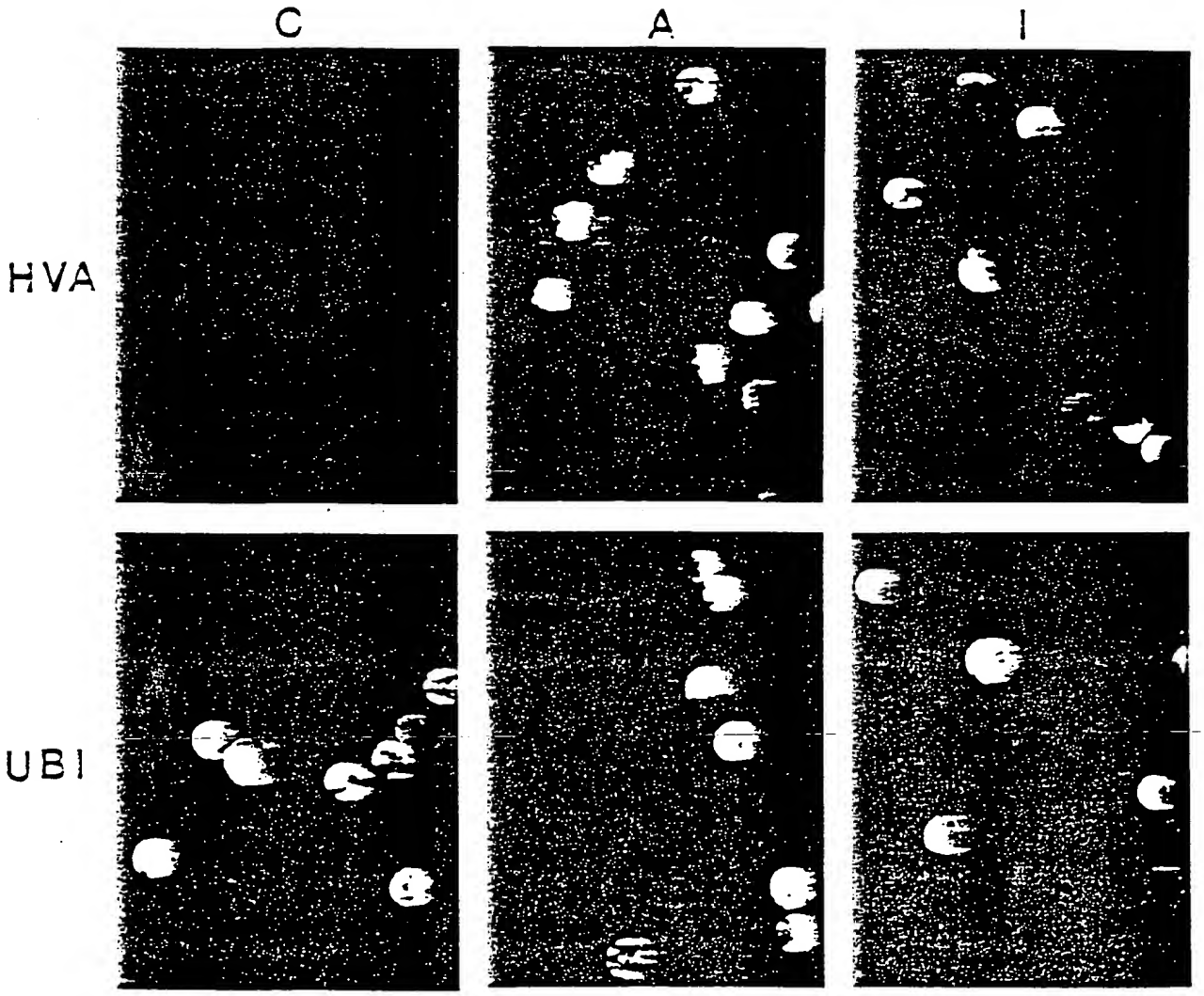


FIG.2

0808804 1 05 1989

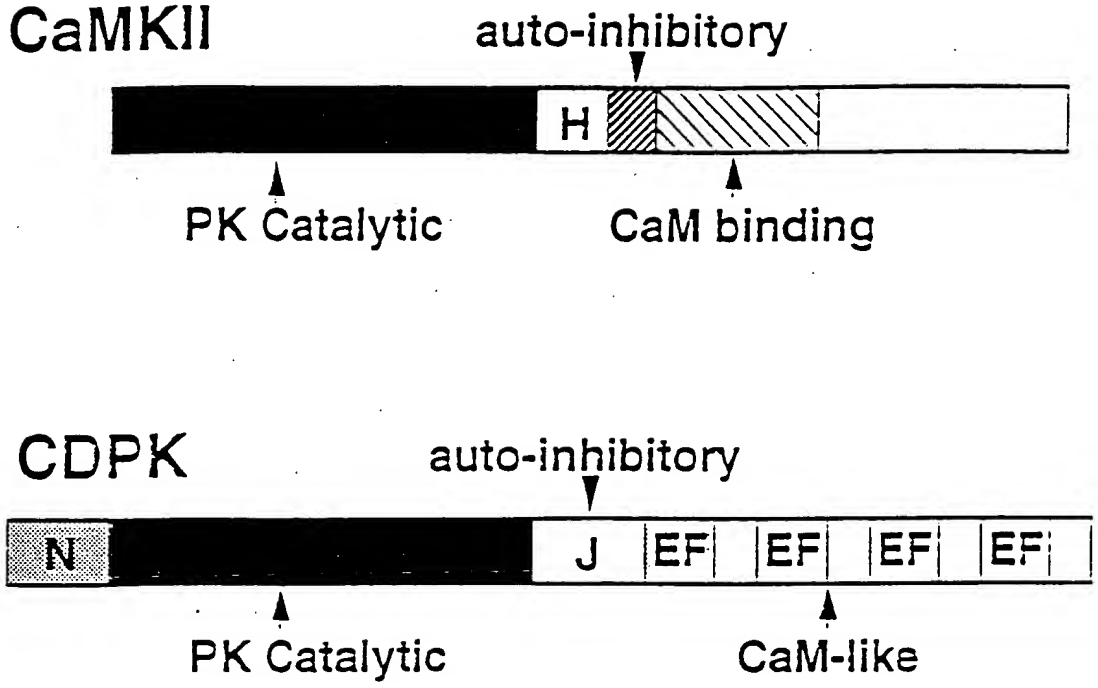

CaMKII
auto-inhibitory
H
PK Catalytic
CaM binding
CDPK
auto-inhibitory
N
J
EF
EF
EF
EF
PK Catalytic
CaM-like

FIG. 3A

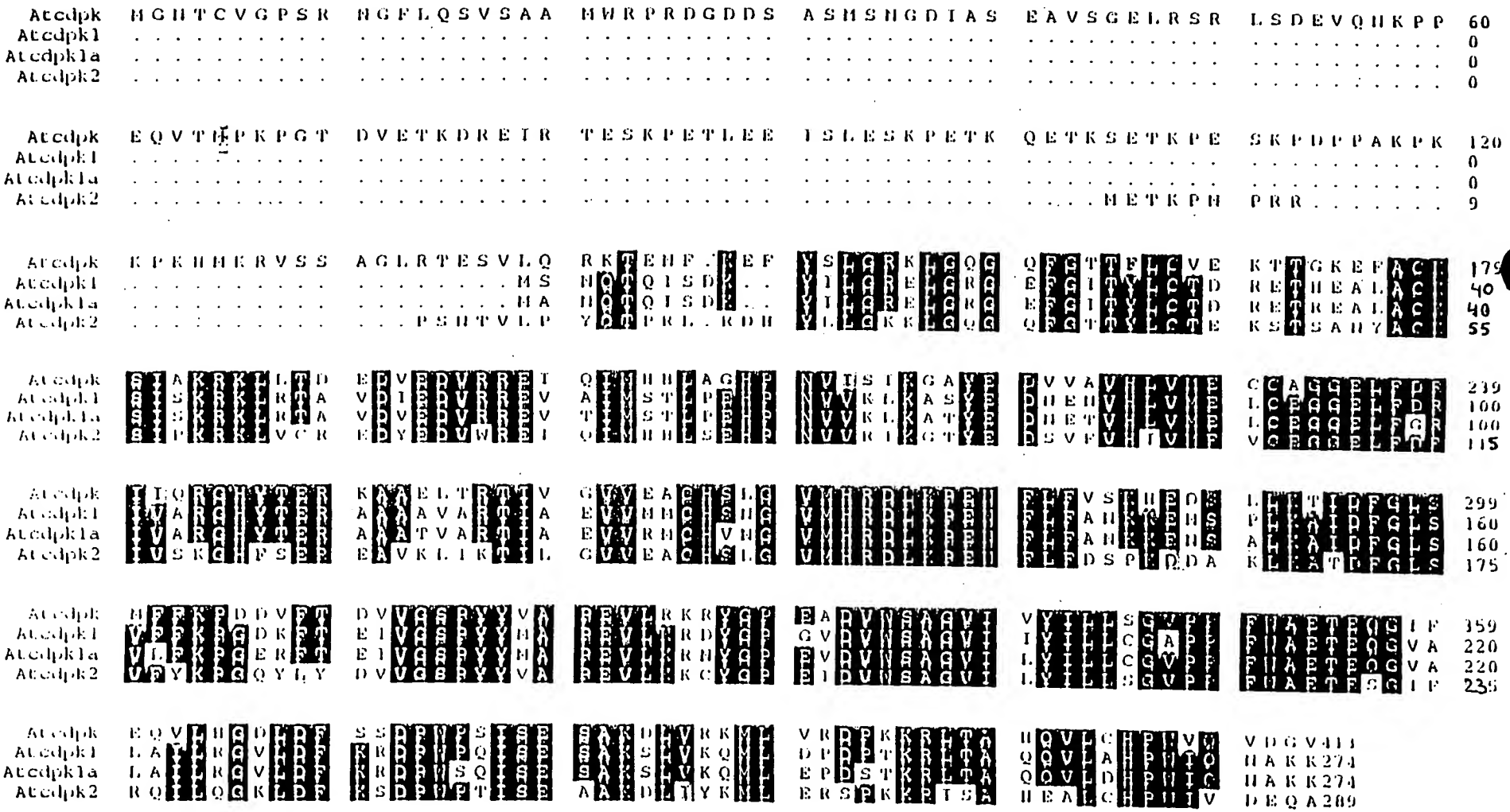


FIG. 3B

PK Constructs

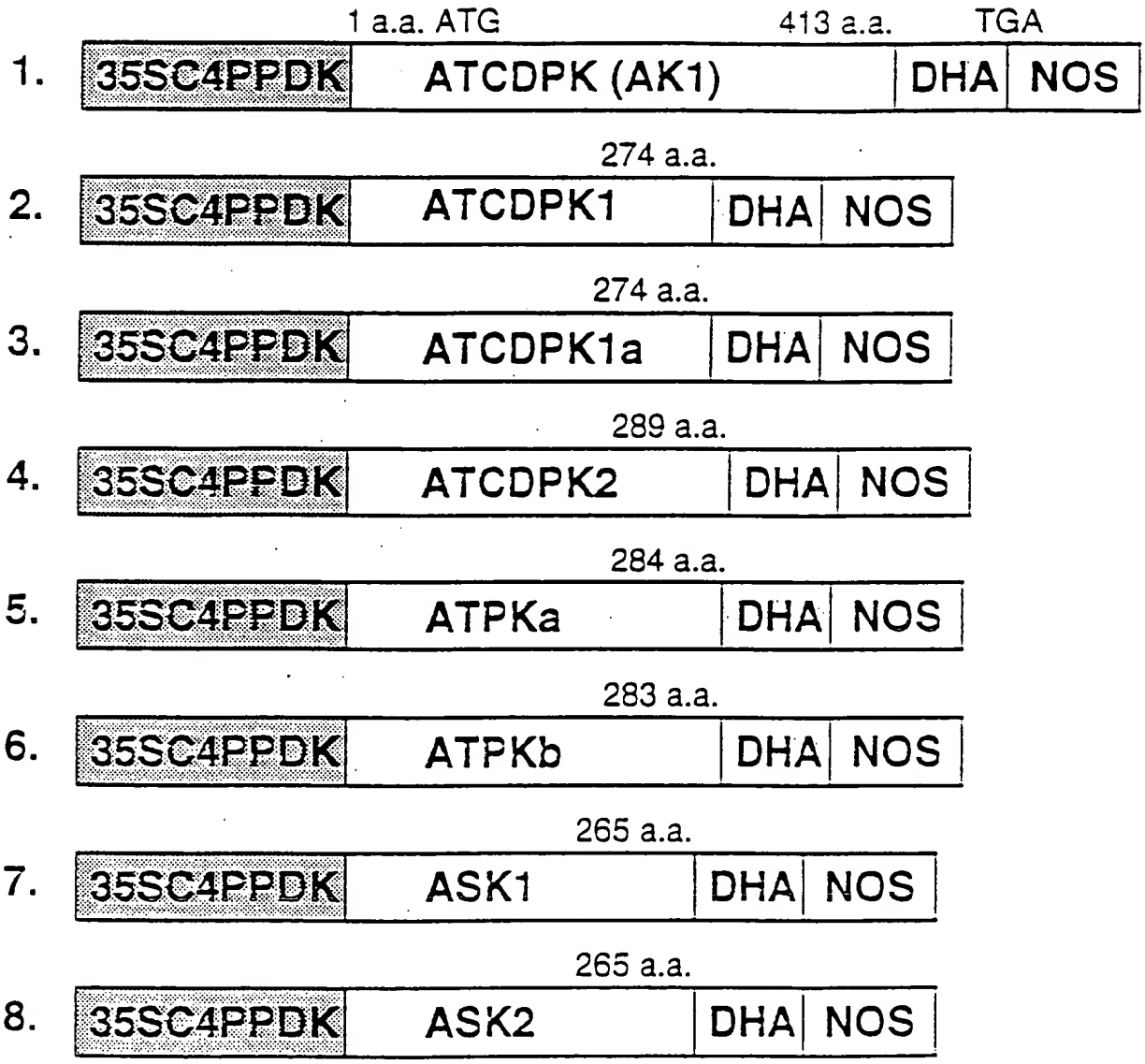


FIG. 3C

SUBSTITUTE SHEET

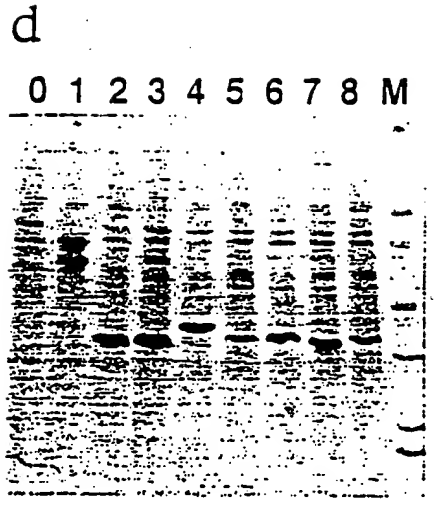


FIG. 3D

0808681 1250597

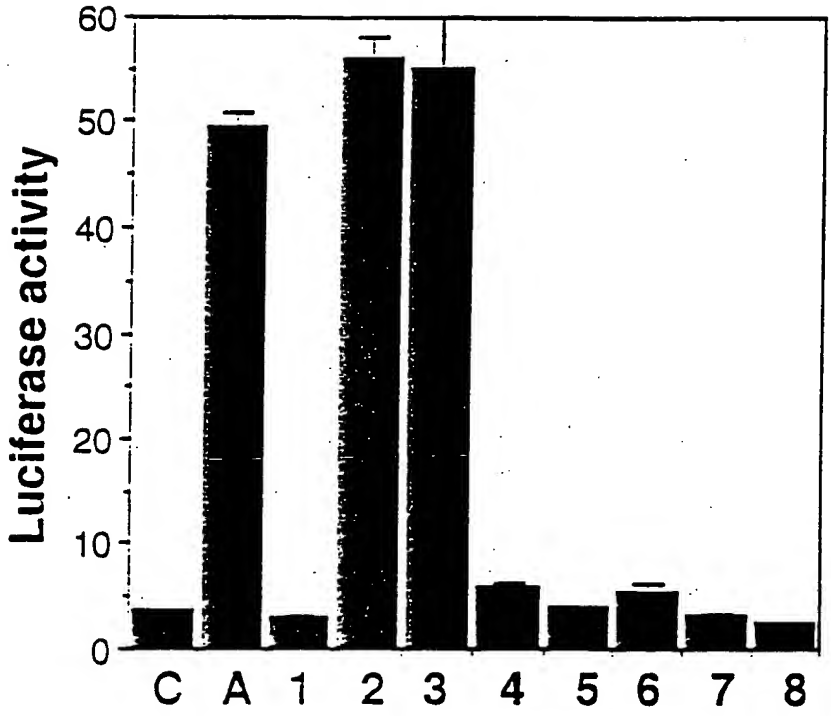
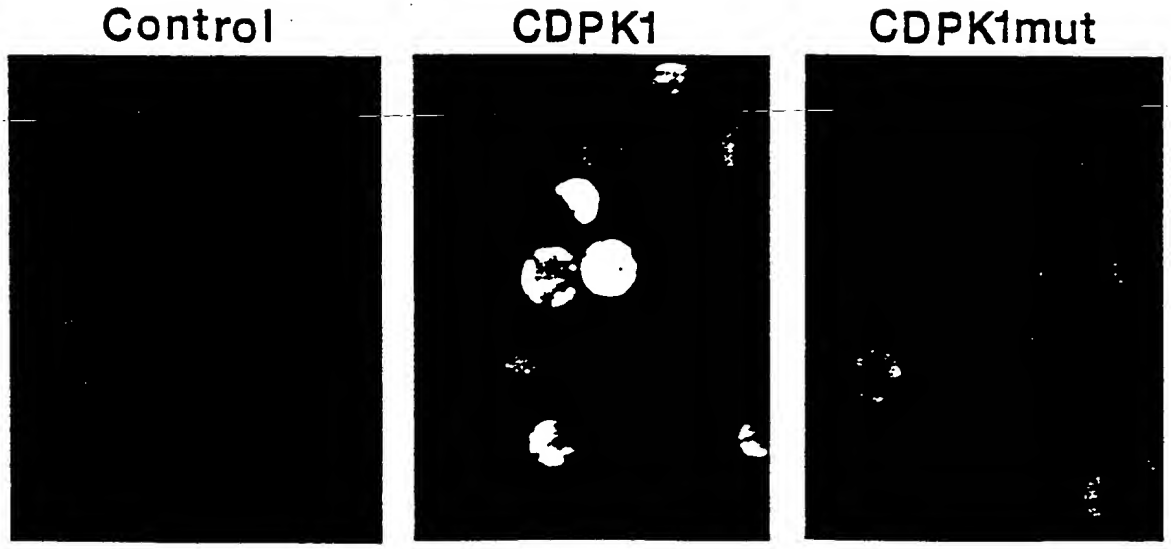


FIG. 3E

SUBSTITUTE SHEET (RULE 26)

FIG. 4A

FIG. 4B



SUBSTITUTE SHEET (RULE 26)

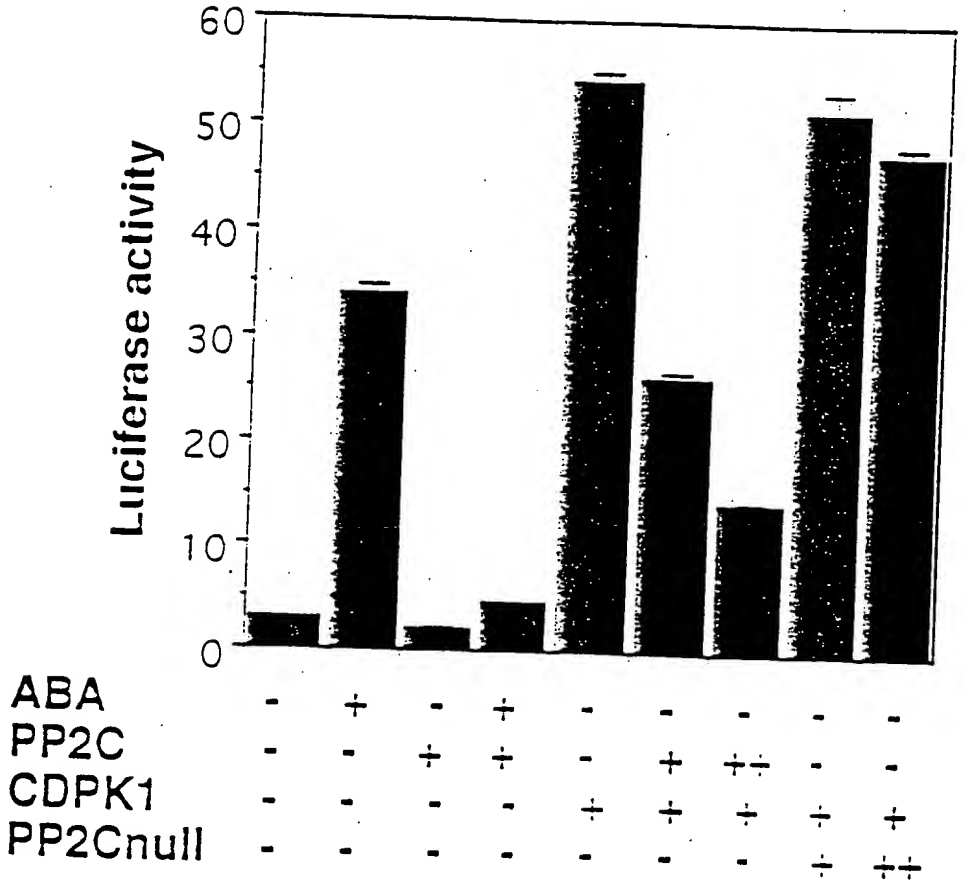


FIG. 4C

WO 00/09704 PCT/US99/18097

A model of stress signalling in plant cells

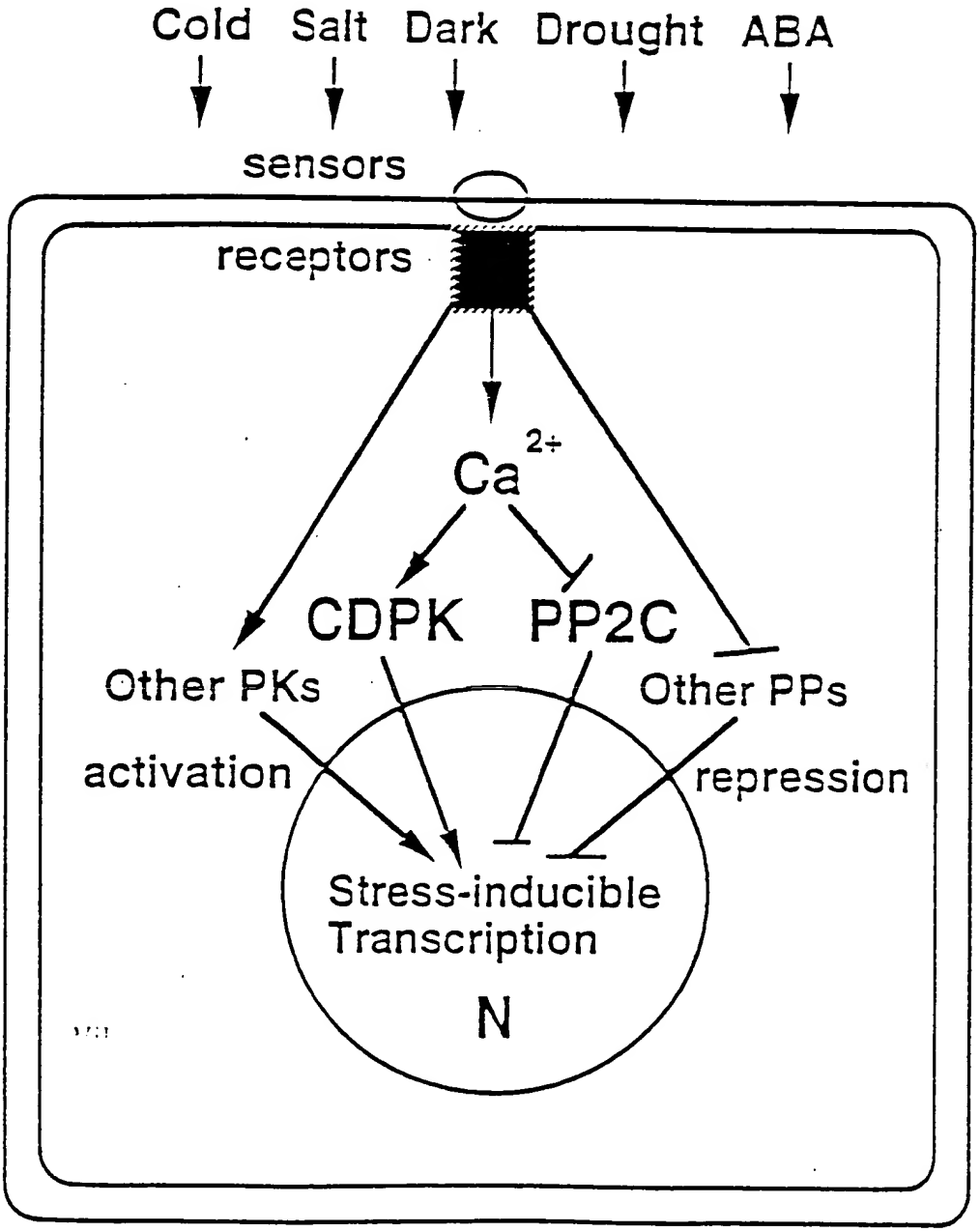


FIG. 4D

FIGURE 5 (SHEET 1/4)

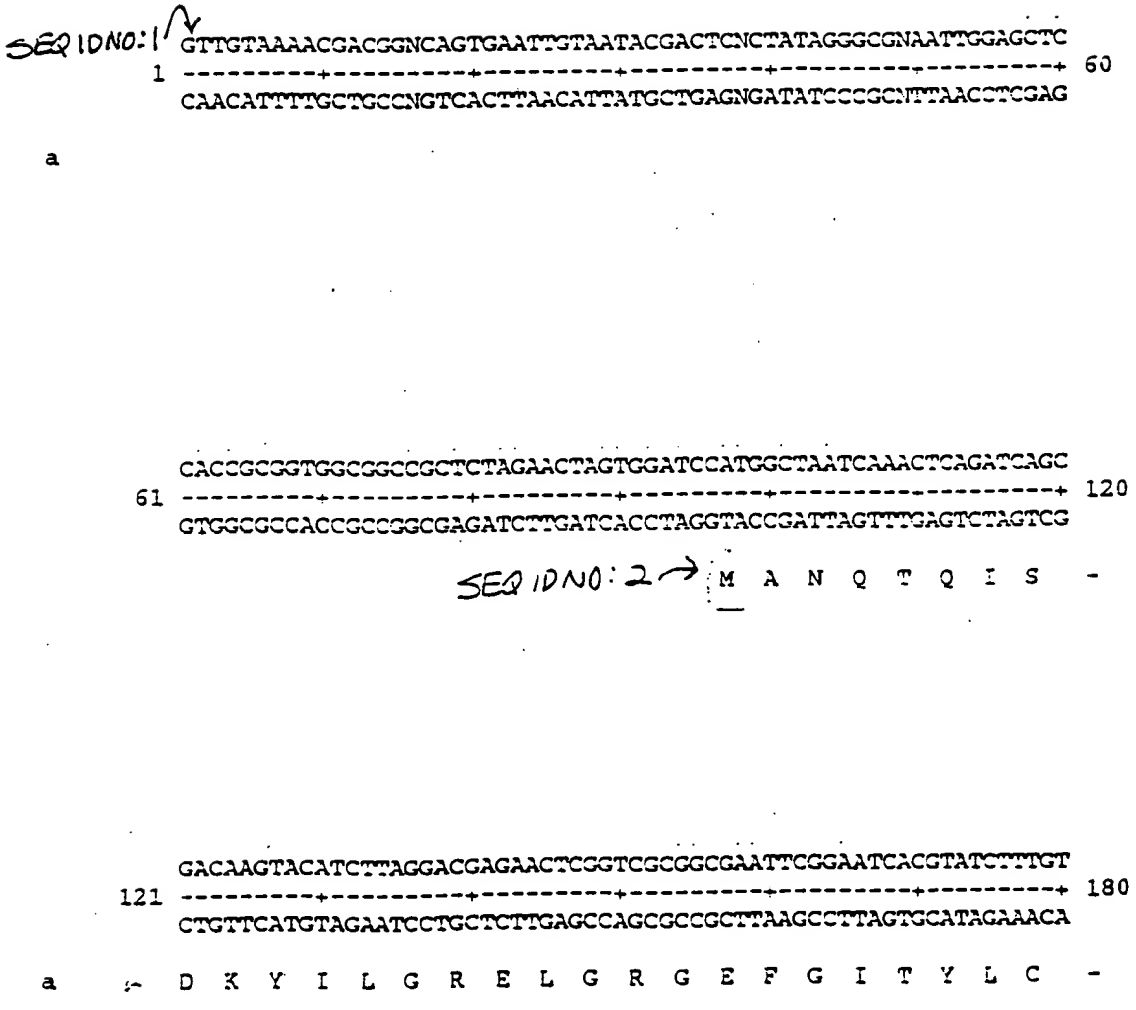


FIGURE 5 (SHEET 2/4)

```
    ACAGATAGAGAGACTCGTGAAGCTTTAGCTTGCAAATCAATCTCCAAGAGAAAGCTCCGA
181 ---------+---------+---------+---------+---------+---------+ 240
    TGTCTATCTCTCTGAGCACTTCGAAATCGAACGTTTAGTTAGAGGTTCTCTTTCGAGGCT

    T  D  R  E  T  R  E  A  L  A  C  K  S  I  S  K  R  K  L  R  -

    ACCGCCGTCGATGTGGAAGACGTCCGTCGTGAAGTCACGATCATGTCAACTTTACCGGAA
241 ---------+---------+---------+---------+---------+---------+ 300
    TGGCGGCAGCTACACCTTCTGCAGGCAGCACTTCAGTGCTAGTACAGTTGAAATGGCCTT

    T  A  V  D  V  E  D  V  R  R  E  V  T  I  M  S  T  L  P  E  -

    CACCCAAACGTTGTGAAACTTAAAGCGACTTATGAGGATAACGAGACCGTGCATCTTGTG
301 ---------+---------+---------+---------+---------+---------+ 360
    GTGGGTTTGCAACACTTTGAATTTCGCTGAATACTCCTATTGCTCTGGCACGTAGAACAC

    H  P  N  V  V  K  L  K  A  T  Y  E  D  N  E  T  V  H  L  V  -

    ATGGAGCTTTGTGAAGGAGGTGAGCTTTTTGGTCGGATTGTTGCAAGAGGACATTATACA
361 ---------+---------+---------+---------+---------+---------+ 420
    TACCTCGAAACACTTCCTCCACTCGAAAAACCAGCCTAACAACGTTCTCCTGTAATATGT

    M  E  L  C  E  G  G  E  L  F  G  R  I  V  A  R  G  H  Y  T  -

    GAGCGTGCGGCGGCTACCGTCGCGAGAACGATCGCGGAAGTTGTGAGGATGTGTCATGTC
421 ---------+---------+---------+---------+---------+---------+ 480
    CTCGCACGCCGCCGATGGCAGCGCTCTTGCTAGCGCCTTCAACACTCCTACACAGTACAG

    E  R  A  A  A  T  V  A  R  T  I  A  E  V  V  R  M  C  H  V  -
```

FIGURE 5 (SHEET 3/4)

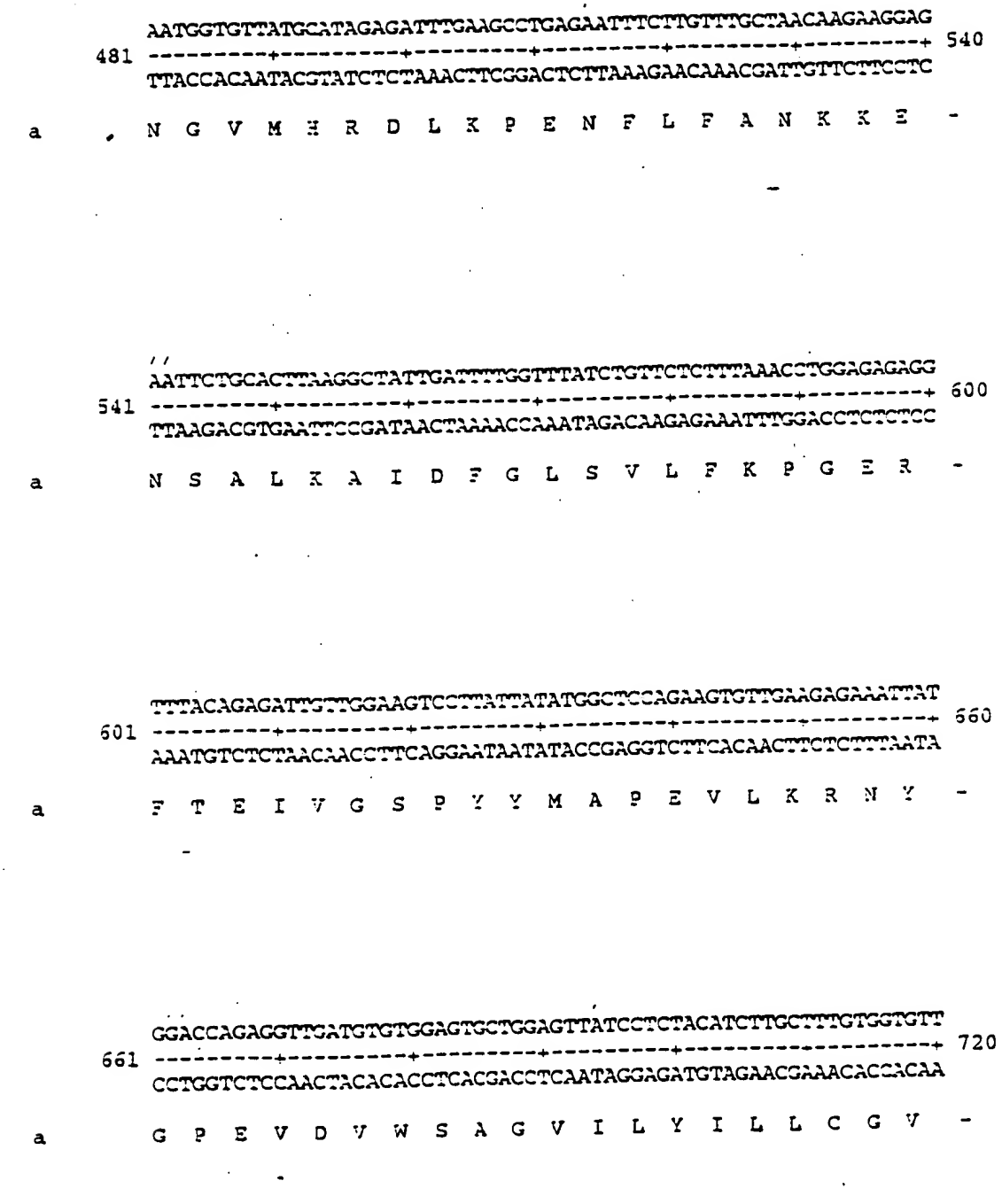
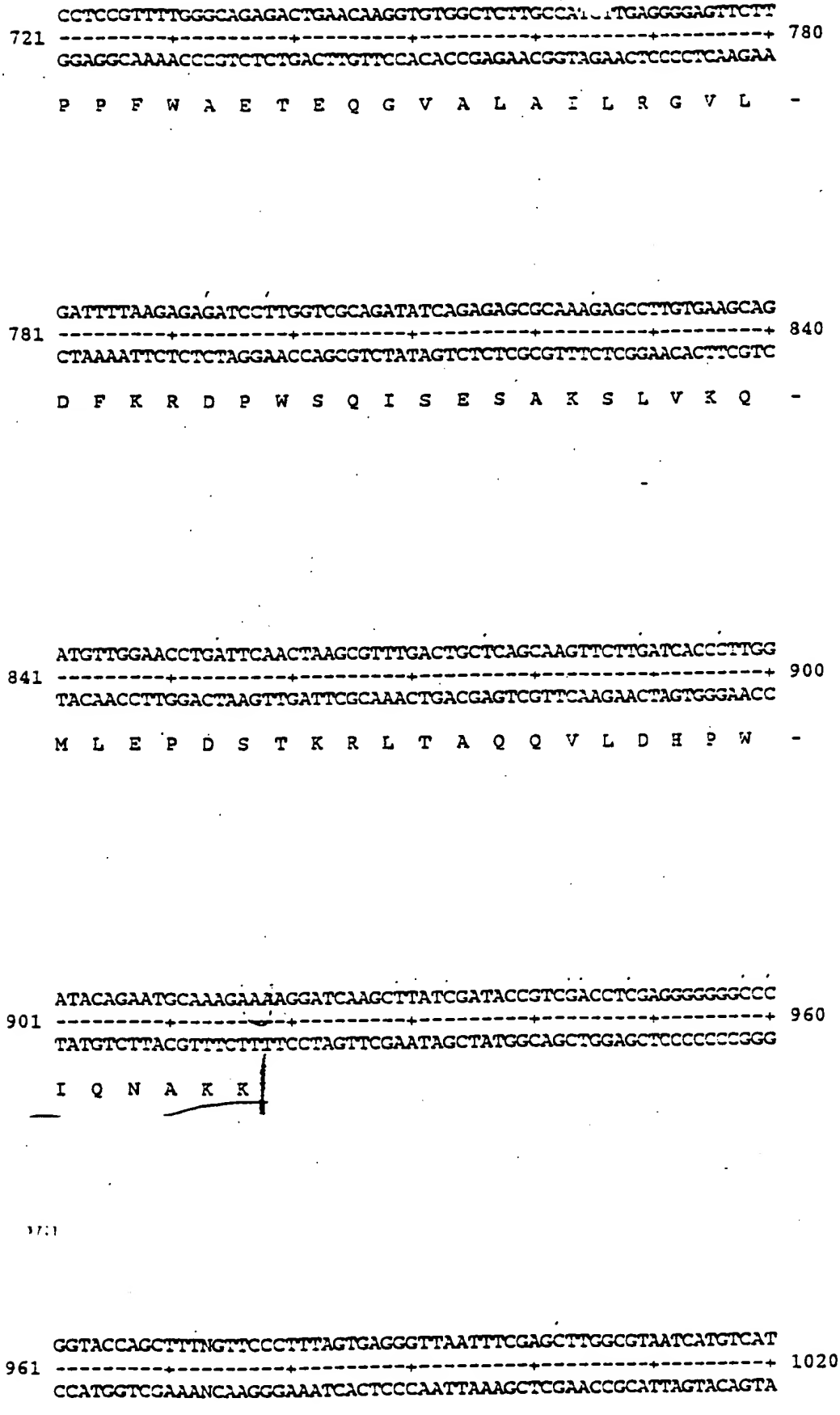



FIGURE 5 (SHEET 4/4)